

# CA-NV AWWA Water Loss

## Water Audit Level 1 Validation Document

### Audit Information:

Utility:	Contra Costa Water District	PWS ID:	0710003
System Type:	Potable	Audit Period:	Calendar Year 2018
Utility Representation:	Cristina Estrella, Chris Dundon, Dominic Debellis, Shawn Kelly		
Validation Date:	9/6/2019	Call Time:	2pm
		Sufficient Supporting Documents Provided:	Yes

### Validation Findings & Confirmation Statement:

#### Key Audit Metrics:

Data Validity Score: 63	Data Validity Band (Level): Band III (51-70)
ILI: 1.50	Real Loss: 24.08 (gal/conn/day)
	Apparent Loss: 7.71 (gal/conn/day)
Non-revenue water as percent of cost of operating system: 2.3%	

#### Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

*If not, rejected recommendations are included here.*

### Validator Information:

Water Audit Validator:	Dan Jones	Qualifications:	Water Audit Validator Certificate issued by the CA-NV Section of the AWWA
------------------------	-----------	-----------------	---

Validator Provided

# CA-NV AWWA Water Loss

## Water Audit Level 1 Validation Document

Water Supplier Name: Contra Costa Water District

Water Supplier ID Number: 0710003

Water Audit Period: Calendar Year 2018

Water Audit & Water Loss Improvement Steps:

Steps taken in preceding year to increase data validity, reduce real loss and apparent loss as informed by the annual validated water audit:

Continuing to report on a calendar year basis rather than a fiscal year due to the fact that consumption meters are read bi-monthly, authorized consumption (billed metered) monthly values and the actual time range of water use do not overlap one-to-one. Reporting on a fiscal year basis, where the reporting year end coincides with the highest water use (CCWD's fiscal year spans from July 1 to June 30), exacerbates the difference between authorized consumption and production values. By reporting on a calendar year basis, reporting year end coincides with a lower water use month, mitigates that difference as well as apparent losses associated with that difference. The District will look into prorating monthly consumption data in the future as recommended by WSO.

Completion of the 2018 Pipeline Renewal and Replacement Study identifies and prioritizes necessary improvements to the District's treated water pipelines and will result in less real losses due to main leaks as pipelines with high likelihood of failure are target for replacement. Implementation of Study recommendations are scheduled to begin in calendar year 2019.

Utility Provided

### Certification Statement by Utility Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audit and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Executive Name (Print)

Executive Position

Signature

Date

Jeff Quimby

Director of Planning

9/20/2019